

BRANALD, A.

Still about the grandfather of automobiles. p. 378.
SVET MOTORU, Praha, Vol. 9, no. 12, June 1955.

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, no. 10, Oct. 1955,
Uncl.

BRANBERGER, C.

BRANBERGER, C.

Machinery for the compaction of soils.

P. 44 (Machanisace) Vol. 4, No. 2, Feb. 1957, Czechoslovakia

SO: MONTHLY INDEX OF EAST EUROPEAN ACCESSION (EEAI) LC. - VOL. 7, NO. 1, JAN. 1958

ČARVAŠ, J., DVM; BRANCOVSKÝ, C., Engineer

Czechoslovakia

Brno, Veterinářství, No 12, 1962, pp 371-375

"Realization of Complex Analysis of Veterinary
Station Activities in South Moravia."

2

BRAND, B.V. (Kamyshin)

Mirror attachment to ultrahigh-frequency apparatus. Vop. kur.,
fizioter. i lech. fiz. kul't. 30 no.4:368 J1-Ag '65.
(MIRA 18:9)

1ST AND 2ND ORDERS																										3RD AND 4TH ORDERS																									
PROCESSES AND PROPERTIES INDEX																										COMMON VARIABLES INDEX																									
BRAND, L.																										B C 4																									
3884. Eddy-current losses in insulated cores. BRAND, L. <i>Electrotech. Obozr.</i> 38, 243-51 (May 23, 1969) in Cyrillic.---The theory is given of a method for determining eddy-current losses in insulated and uninsulated sheets in the case of continuous and uniform conductivity over the whole sheet surface, and for conductivity confined to the edge of the sheet. Experiments were carried out on oxidized rings without air gap in alternating fields and with real starters in rotating fields, yielding the result that for small heights of the core the conductivity really appears to be concentrated on the edges and that the insulation of the sheets has hardly any influence on the additional losses.																																																			
ASB-354 METALLURGICAL LITERATURE CLASSIFICATION																										ASB-354 NOMINALLY																									
SECTION 1-1000																										SECTION 1-1000																									
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BRAND, F.

1488 Photometric titration of cyanides. J. Brand, H. Kuty and S. Kuty (Milena Tech. Acad., Prague, Czechoslovakia). Chem. Listy, 1966, 50, 81
1316 1317 - When determining small amounts of cyanides, an accurate equivalence point can be obtained by using photometric titration, which can

also be used for analysing coloured and turbid solu. Procedure- Add KI soln. (4%) (5 ml) and 0.1 N aq. NH₄ (5 ml) to the sample dilute to 100 ml and titrate with AgNO₃ soln. Measure two colors before and three after the equivalence point has been reached, with a blue filter. Determine the end point by using a graphical evaluation. The average error is $\pm 0.2\%$. Chlorides and phosphates do not interfere.
J. Zýka

RAM eye

BRAND. I. 1948

"On the Etiology of Cataract in Tetany."

Orvosok Lapja, Budapest, 1948, 4/35(1108-1110)
Abst: Exc. Med. 111, Vol. 111, No. 6, p. 238

BRAND, I.

Effect of application of extract of the placenta on the intraocular pressure (Filatov's method). Szemaszet No. 1, 1950. p. 26-35

1. Eye Clinic (Dr. Bela Boros), Pecs University.

GLML 19, 5, Nov., 1950

BRAND, I.

~~XXXXXXXXXXXXXXXXXXXX~~
Fractional erythrocyte sedimentation and trachoma. Szemeszet
88 no.3:142-148 1951. (CIVIL 21:1)

1. Doctor. 2. Eye Clinic (Director — Prof. Dr. Bela Boros),
Pecs University.

BRAND, I.

BOROS, B.; BRAND, I.; TAKATS, I.

Clinical and animal experiments with placenta extracts
according to Filatov; its effect on the blood pressure.
Orv. Hetil. Budap. 92 no.33:1060-1063 19 Aug 1951. (GML 20:11)

1. Doctors. 2. Eye Clinic (Director -- Prof. Dr. Bela
Boros), Pecs University.

CA

116

Histochemical investigation of the Kayser-Fleischer
corneal ring. J. Brund and I. Takáts (Univ. Pécs, Hung.).
Arch. Ophthalmol. (Graef's) *ver. Arch. Augenheilk.* 151, 391-
8(1951).--The corneal ring occurring in a case of hepato-
lenticular degeneration is proved to be due to Cu, probably
present in the form of a Cu-lipide compd., distributed uni-
formly throughout Descemet's membrane. K. F. U.

1951

BRAND, I.

A new instrument to facilitate the intracapsular cataract extraction. Szemeszet 89 no. 2:90-91 June 1952. (CJML 23:1)

1. Doctor. 2. Ophthalmological Clinic, Pecs Medical University.

BRAND, Imre, dr.

Relationship between skin and eye diseases. Bogyogy. vener. szemle
8 no.5:129-134 Sept 54

1. A Pécsi Orvostudományi Egyetem Szemklinikájának (Igazgató: Boros
Bela dr egyetemi tanár) közleménye

(SKIN, diseases
relation to eye dis.)

(EYE, diseases
relation to skin dis.)

BRAND, Imre

BRAND, Imre; KADAS, Laszlo; ARATO, Istvan

Further investigations on general pathology of angioid striae.
Szemeszet 91 no.2:78-85 Apr 54.

1. A Pecsí Orvostudományi Egyetem Szemklinikájának (igazgató:
Boros Béla egyet. tanár, az orvostudományok kandidátusa) és
Korbonctani Intézetének (igazgató: Romhányi György egyet. tanár,
az orvostudományok kandidátusa) közleménye.

(RETINA, dis.

Grondblad-Strandberg synd.)

BRAND, Imrek, dr.

Diseases of the vascular system in glaucoma. Orv. hetil. 95 no.
29:785-787 18 July 54.

1. A Pecsí Orvostudományi Egyetem Szemklinikájának (igazgató: Boros
Bela dr. egyetemi tanár) közleménye
(GLAUCOMA, complications
cardiovasc. dis.)
(CARDIOVASCULAR SYSTEM, in various diseases
glaucoma)

BOROS, Bela, dr.; BRAND, Imre, dr.

Trachoma in industrial and agricultural collectives.
Népegészségügy 36 no.7:179-183 July 55.

1. Közlemény a Pécsi Orvostudományi Egyetem Szemklinikájáról
(igazgató: Boros, Bela dr az orvostudományok kandidátusa).
(TRACHOMA, epidemiology,
in Hungary.)

BRAND, Imre, dr.

Intraocular hypotension in myotonia atrophica. Orv. hetil. 96
no.9:231-233 27 Feb 55.

1. A Pécsi Orvostudományi Egyetem Szemklinikájának (igazgató:
Boros Béla dr. egyet. tanár, az orvostudományok kandidátusa)
közleménye.

(MYOTONIA ATROPHICA, manifestations,
eye hypotension)

(EYE,
hypotension in myotonia atrophica)

BRAND, Imre, dr.

Changes of eye tension in parkinsonism. Orv. hetil 97 no.17:
461-464 22 Apr 56.

1. A Pécsi Orvostudományi Egyetem Szemklinikájának (igazgató:
Boros, Béla dr. egyetemi tanár) Közleménye.

(EYE, dis.

hypotension in paralysis agitans, pathomechanism &
diag. significance. (Hun))

(PARALYSIS AGITANS, manifest.

eye hypotension, pathomechanism & diag. significance.
(Hun))

BRAND, I.

Use of synchronous motors. (Supplement) p. 37.
(Energetika, Vol. 6, no. 6, June 1956. Praha, Czechoslovakia)

SO: Monthly List of East European Accessions. (EEAL) LC. Vol. 6, No. 6,
June 1957. Uncl.

BRAND, Imre

Intraocular hypotension originating from the central nervous system.
Szemeszet 100 no.4:193-196 D '63.

1. Sopron Varosi Tanacs Korhaza (Igazgato-főorvos: Eper Tivadar)
Szemosztalyanak (Főorvos: Brand Imre) közleménye.

BRAND, Izrael, inz.; MALIR, Rudolf, inz., CSc.

Automation of industrial calculations. Pod org 17 no.6:276-
278 Je '63.

1. Geskomoravska-Kolben-Danek Praha.

BRAND, Izrail' Al'bertovich; LERNER, Lev Grigor'yevich, aspirant;
MAKAROVSKIY, Sergey Aleksandrovich; SIVKOV Arkadiy Petrovich, inzh.;
BAKHVALOV, Yuriy Alekseyevich, kand.tekhn.nauk, dotsent

Use of digital computers in the design of electric machinery and
apparatus. Izv.vys.ucheb.zav.; elektromekh. 7 no.12:1501-1505 '64.
(MIRA 18:2)

1. Nachal'nik vychislitel'nogo tsentra firmy ChKD [Ceskomoravska-Kolden-Danek], Praga (for Brand). 2. Institut elektromekhaniki Gosudarstvennogo komiteta po elektrotekhnike pri Gosplane SSSR (for Lerner). 3. Zamestitel' nachal'nika raschetnogo otdela TSentral'nogo konstruktorskogo byuro krupnykh elektricheskikh mashin peremennogo toka Gosudarstvennogo komiteta po elektrotekhnike pri Gosplane SSSR (for Makarovskiy). 4. Nachal'nik laboratorii schetnoreshayushchikh ustroystv Leningradskogo filiala Vsesoyuznogo nauchno-issledovatel'skogo instituta elektromekhaniki (for Sivkov). 5. Kafedra elektricheskikh mashin, apparatov, matematicheskikh i schetnoreshayushchikh priborov i ustroystv Novocherkasskogo politekhnicheskogo instituta (for Bakhvalov).

46587-66

ACC NR: AP6023823

SOURCE CODE: CZ/0017/65/054/012/0571/0574

AUTHOR: Brand, Izrael (Engineer); Malousek, Antonin (Engineer); Vencovsky, Jiri (Engineer; Candidate of sciences)

ORG: CKD, Prague

63

TITLE: Calculation with a digital computer of the temperature rise of the stator winding of AC machines

SOURCE: Elektrotechnicky obzor, v. 54, no. 12, 1965, 571-574

TOPIC TAGS: computer calculation, digital computer, temperature measurement, alternating current, ventilation engineering/Z 23 digital computer

ABSTRACT: The paper deals with the calculation of the temperature rise of the stator winding of AC machines with a radial ventilation system by means of the Z 23 computer. The advantages of the synthetic method of calculation of the heat are demonstrated. The paper also presents examples of the printing of the output values and a description of them.

Orig. art. has: 9 figures. [Based on authors' Eng. abst.] [JPRS]

SUB CODE: 09 / SUBM DATE: 29Jun65 / ORIG REF: 002

Card 1/1

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UDC: 621.313.3.017.71: 681.142-83

09/5

15321

CZECHOSLOVAKIA/Solid State Physics - Structural Crystallography. E

Abs Jour : Ref Zhur - Fizika, No 8, 1959, 17835

Author : Woretschagin, L.F., Brand, I.W.

Inst : -

Title : X-Ray Structure of Investigation of Substances with
Pressures up to 30,000 Atmos.

Orig Pub : Exptl. Techn. Phys., 1958, 6, No 6, 283-285

Abstract : Translation from Dokl. AN SSSR, 1956, 108, No 3, 423 --
424 (see Referat Zhur Fizika, 1957, No 8, 19769).

Card 1/1

BRAND, L.

Determination of the polarity of the windings of direct-current engines. p. 72.

(ELECTROTECHNICKI OBZOR, vol. 44, no. 2, Feb. 1955, Praha)

SO: Monthly List of East European Accession, (EEAL), LC, Vol. 4, No. 11,
Nov. 1955, Uncl.

ZITTI, Ye.; BRAND, L.; KORB, M.; POPA, V.

Bilateral pulmonary resections in tuberculosis [with summary
in English]. Khirurgiia 35 no.1:25-28 Ja '58. (MIRA 12:2)

1. Iz tuberkuleznogo sanatoriya Moroyen' Rumyniya.
(PNEUMONECTOMY, in var. dis.
tuberc., bilateral (Rus))

CORBU, M.; POPA, V.; BRAND, L.; DUMITRESCU, L.; DAVIDESCU, C.; COSTEA, A.;
GIDEA, G.; BURIAN, E.

Considerations on bronchial fistula following resections for
pulmonary tuberculosis. Rumanian M. Rev. 3 no.4:22-25 O-D '59.

1. Moroeni Sanatorium, Director Dr. C. Iordan.
(TUBERCULOSIS, PULMONARY, surgery)
(BRONCHIAL FISTULA, etiology)

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

1ST AND 2ND COLUMNS

PROCESS AND PROPERTIES INDEX

10

BRAND, M

CR

Ketones of the naphthalene group. Preparation of acetyl derivatives of β -methyl-naphthalene. K. Dziewoński and M. Brand. *Roczniki Chem.* 12, 683-701; *Bull. intern. acad. polonaise, Classe sci. math: nat.* 1933A, 99-107 (in German).---To 100 g. of β -C₁₀H₇Me and 100 g. AcCl in 600 cc. CS₂ was added 50 g. AlCl₃; the mixt. was heated to boiling, and 80 g. AlCl₃ added in portions. After heating 2-3 hrs., it was left 12 hrs. Dil. HCl was added, the solvent was distd. from the CS₂ layer, and the residue fractionated in vacuo. Fraction A, b_p 170-80°, a bright yellow oil, contained 2-methyl-6-acetylnaphthalene (I) and 2-methyl-8-acetylnaphthalene (II). Fraction B, b_p 215-20°, a dark yellow oil which became a semi-solid yellow mass, contained 2-methyl-6,8-diacylnaphthalene (III). An alc. soln. of 50 g. A was treated with a satd. aq. soln. of 40 g. NH₄OH.HCl and 37 g. KOH. The oxime of I, m. 181°, crystd. from the hot alc. soln.; on cooling, a mixt. of the oximes of I and II pptd. They were sep'd. by fractional crystn. from ligroin in which the oxime of I is least sol. Oxime of II m. 120°. The oxime of I, boiled with 15% HCl for 4-6 hrs., gave a bright yellow oil, b_p 184°, which solidified to give I, m. 70-1°, sol. in concd. H₂SO₄ with an orange-yellow color. *Semicarbazone* of I m. 240-2° (decompn.). The oxime of I in AcOH and Ac₂O when satd. with HCl gas gave 2-methyl-6-acetamidonaphthalene (C. A. 19, 2819), m. 160°. Oxidation of I with boiling 2% NaOCl soln. gave 2,6-C₁₀H₆MeCO₂Na; 2,6-C₁₀H₆MeCO₂H, m. 220-30°. The oxime of II, boiled with 10% HCl, gave II, a bright yellow oil, b_p 176°. *Semicarbazone* of II m. 228-30° (decompn.). 2-Methyl-8-acetamidonaphthalene (IV), prep'd. by passing HCl into a soln. of the oxime of II in AcOH and Ac₂O, m. 182-3° (cf. C. A. 25, 5206). IV, heated for 2-3 hrs. with 20% HCl, gave the HCl salt of 2,8-C₁₀H₆MeNH₂ (V), which with Na₂CO₃ gave V, m. 68-9°, turns brown-violet in air. Diazotization of V and coupling with β -C₁₀H₇OH gave 2-methylnaphthalene-8-azophthol, red-violet, m. 173-5°. Oxidation of II with hot 2% NaOCl soln. gave 2,8-C₁₀H₆MeCO₂H, m. 147°. III is sol. in concd. H₂SO₄ with a yellow color and green fluorescence. Oxime of III m. 175-6°.

Louise Kelley

ASSOCIATE METALLURGICAL LITERATURE CLASSIFICATION

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1ST AND 2ND ORDERS																										3RD AND 4TH ORDERS																									
COMMON ELEMENTS																										COMMON VARIABLE MODES																									
BRAND, S. 13 PROCESSES AND PROPERTIES INDEX Detergent. Sándor Brand. Hung. 125,300. Nov. 15, 1940. To sulfuric or phosphoric esters or sulfonic acid salts of higher alks. or to condensation derivs. of higher alks. or fat acids with aliphatic, aromatic or hydroaromatic hydrocarbons neutralized with org. or inorg. bases, are added alk. substances (or substances that form alk. hydrolysis products) in such amounts that the end product has a pH value above 8 in a 0.2-5% soln. ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION E-Z INDEX																																																			
1ST AND 2ND ORDERS																										3RD AND 4TH ORDERS																									
COMMON ELEMENTS																										COMMON VARIABLE MODES																									

BRAND, Vladimir Eduardovich; BATURINSKIY, Yevgeniy Petrovich; KULIKOVSKAYA, Nadezhda Borisovna; SHILOV, F.G., redaktor; OYSTRAKH, V.G., tekhnicheskiiy redaktor

[The use of reeds in industrial house construction] Primenenie kamysha v zavodskom domostroenii. Alma-Ata, Kazakhskoe gos. izd-vo, 1956.
108 p.

(Building materials)

(MIRA 9:12)

BRAND, V.E.

BRAND, V.E., inzh.; SOLODOVNIKOVA, L.F., inzh.

Designing one- and two-story houses made of KB pressed reed panels. Biul.stroi.tekh. 14 no.6:10-17 Je '57. (MIRA 10:11)

1. Kazgiprogorssel'stroy (for Brand). 2. TSentral'nyy nauchno-issledovatel'skiy institut stroitel'stva Akademii stroitel'stva i arkhitektury SSSR (for Solodovnikova).
(Kazakhstan--Architecture, Domestic) (Building blocks)
(Reed (Botany))

BRAND, V.M.; GRUTMAN, M.S. [Hrutman, M.S.]; FEL'DSHON, Z.D.; POLTORATSKAYA,
Ye. [Poltorats'ka, E.], red.; IOAKIMIS, A., tekhn.red.

[Reed in rural construction] Komysh v sil's'komu budivnytstvi.
Kyiv, Derzh.vyd-vo lit-ry z budivnytstva i arkhitektury URSS,
1959. 122 p. (MIRA 14:2)
(Reed (Botany)) (Farm buildings)

Metall Perov, V. A., and Brand, V. Yu.: Feinmahlen der Metalle
Translated from Russian by Johann Pesik Berlin, Weizmann
Technik, 1954. 190 pp.

PEROV, V. A.,
BRAND, V. YU.: Fine-Grinding of Ores Translated from Russian

1954

BOGDANOV, O.S., doktor tekhnicheskikh nauk, professor, redaktor; BRAND, V.Yu., kandidat tekhnicheskikh nauk, redaktor; DERKACH, V.G., kandidat tekhnicheskikh nauk, redaktor; DOLIVO-DOBROVOL'SKIY, V.V., doktor tekhnicheskikh nauk, redaktor; ZAKHVATKIN, V.K., redaktor; KACHAN, I.N., kandidat tekhnicheskikh nauk, redaktor; OLEVSKIY, V.A., kandidat tekhnicheskikh nauk, redaktor; LOKONOV, M.F., kandidat tekhnicheskikh nauk, redaktor; PARFENOV, A.M., kandidat tekhnicheskikh nauk, redaktor; PODNEK, A.K., redaktor; POLIVANOV, K.Yu., redaktor; FINKEL'SHTEYN, G.I., kandidat tekhnicheskikh nauk, redaktor; POMIN, Ya.I., kandidat tekhnicheskikh nauk, redaktor; SHINYAKOV, M.I., redaktor; YUDENICH, G.I., doktor tekhnicheskikh nauk, redaktor; BYKOV, G.P., redaktor; YEZDOKOVA, M.L., redaktor izdatel'stva; EVENSON, I.M., tekhnicheskii redaktor

[Proceedings of the Third Scientific Session of the Institute of Mechanical Processing of Economic Minerals] Trudy III nauchno-tekhnicheskoi sessii instituta Mekhanobr. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po chernoi i tsvetnoi metallurgii, 1955.
758 p. (MLRA 10:8)

1. Leningrad. Nauchno-issledovatel'skiy i proyektnyy institut mekhanicheskoy obrabotki poleznykh iskopayemykh
(Ore dressing) (Flotation)

✓ Centrifugal separator. I. M. Abramovich, V. Yu. Brand,
B. N. Fedorov, and G. A. Pinkel'shten. U.S.S.R. 103,110,
July 26, 1956. A continuously operating centrifuge pro-
vided with an automatic discharge of underlined material
through the bottom is described. M. Horsh

BRAND, V.Yu.; MAKOVSKIY, N.D.

Equipment of ore dressing and sintering plants. Trudy Mekhanobr.
no. 122:355-430 '59. (MIRA 14:4)

(Ore dressing—Equipment and supplies)
(Sintering—Equipment and supplies)

SASON, N.S.; Prinimali uchastive: BRAND, V.Yu.; MAKOVSKIY, N.D.; OLEVSKIY,
V.A.; SAFRAY, V.A.; PRISHCHENKO, V.I.

Dimensional lines of crushing and grinding equipment. Obog. rud 6
no.2:31-33 '61. (MIRA 14:8)

(Crushing machinery)

BOGDANOV, O.S., doktor tekhn. nauk, prof., otv. red.; BRAND, V.Yu.,
kand. tekhn. nauk, red.; DERKACH, V.G., doktor tekhn. nauk,
red.; ZAKHVATKIN, V.K., red.; OLEVSKIY, V.A., kand. tekhn.
nauk, red.; LOKONOV, M.F., kand. tekhn. nauk, red.; PODNEK,
A.K., kand. tekhn. nauk, red.; TUSEYEV, A.A., red.;
FINKEL'SHTEYN, G.A., kand. tekhn. nauk, red.; FOMIN, Ya.I.,
kand. tekhn. nauk, red.; CHERNOBROV, S.M., kand. tekhn. nauk,
red.; KUTUZOVA, L.M., red.

[Transactions of the Fourth Scientific Technological Session
of the Scientific Research Institute for Mechanical Concentra-
tion of Minerals] Trudy IV nauchno-tekhnicheskoi sessii insti-
tuta MEKHANOB. Leningrad, 1961. 665 p. (MIRA 17:5)

1. Leningrad. Nauchno-issledovatel'skiy i proyektnyy institut
mekhanicheskoy obrabotki poleznykh iskopayemykh.

BRAND. V.Ye.; DEBEASH. V.G., doktor tekhn.nauk; SHAPIRO. E.B., kand.tekhn.nauk

Development of iron ore dressing in the U.S.S.R. Trudy Mekhanobr
no.133:5-45 '63. (MIRA 18:10)

BRANDA, L.I.

Hole zones in the LiCl crystal. Ukr.fiz.zhur. 5 no.3:368-374
My-Je '60. (MIRA 13:8)

1. Industrial'nyy tekhnikum, Luganskaya oblast', g.Rubizhne.
(Lithium chloride) (Semiconductors)

BRANDABUR, Mihai

Central problems: heating the spaces; increasing the front of work. Constr Buc 16 no.776:3 21 N '64.

1. Chief Engineer, Regional Trusts for Housing Construction, Galati.

BRANDALIK Frantisek, inz.

Relay safety equipment and the crossing interval. Zel dop tech
12 no.12:310-312 '64.

BRANDALSKA, E., mgr

World production of crude oil in 1964. Nafta 21 no.3:90-91 Mr
'65.

SOV/89-5-3-5'15

AUTHORS:

Aleksandrov, A. P., Afrikantov, I. I., Brandaus, A. I., Gladkov, G. A., Gnesin, B. Ya., Neganov, V. I., Khlopkin, N. S.

TITLE:

The Nuclear Ice-Breaker "Lenin" (Atomnyy ledokol "Lenin")

PERIODICAL:

Atomnaya energiya, 1958, Vol. 5, Nr 3, pp. 257-276 (USER)

ABSTRACT:

The ice-braker "Lenin" was put on the stocks in a Leningrad shipbuilding yard on August 25, 1956. The vessel was launched on December 5, 1957. At present she is being completed in a floating dock. The following data were published:

Operation period without refuelling	1 year
Maximum length	134 m
Maximum width	27.6 m
Shaft output	44 000 HP
displacement	16 000 t
Top speed in deep and calm water and loaded to full capacity	18 knots
Speed in 2.4 m thick ice	2 knots
Number of screws	2
Number of revolutions of screws at maximum speed:	

Card 1/3

The Nuclear Ice-breaker "Lenin"

SOV/89-5-3-5/15

Central screw	185 revs.p.m.
Lateral screws	205 revs.p.m.
Average height of side of ship	16,1 m
Draught	9,2 m
Total weight of reactor including shields	3 017 t
Specific power	68,5 t/H
Weight of shields	1 963 t
Total weight of all other mechanical parts of equipment	2 750 t
Total quantity of steam generated	360 t/h
Temperature of steam	310 °C
Steam pressure	28 atm
Steam consumption by main turbogenerator	204 t/h
Steam output of auxiliary boiler	10 t/h
Capacity of auxiliary electrical plant	6 200 kW
Number of reactors	3
Diameter of active zone	1 m
Height of active zone	1,6 m
Degree of enrichment	5% U ²³⁵
Charging with U ²³⁵	85 kg
Static forward thrust of screws	330 tons

Card 2,3

The Nuclear Ice-Breaker "Lenin"

SOV/89-5-3-5/15

Canning material	zirconium or stainless steel
Thermal power of the reactor	90 MW
Maximum thermal load	10^6 kcal/m ² /h
Inlet temperature of water	248° C
Outlet temperature of water	325° C
Reactor boiler	diameter 2 m, height 5m.

A number of circuit diagrams and photographs of the entire plant is given. Safety measures are such that the vessel cannot sink even in the case of major damage. The nuclear plant is protected in such a manner that in continuously manned compartments the radiation level does not exceed 0.1 - 0.3 of the maximum tolerable dose for an 8 - hour working day. All quantities of waste water drained off into the sea are below the permitted concentration. Cisterns with a holding capacity of 3,10, and 25 m³ are provided for the active water. There are 15 figures.

Card 3/3

BRANDAU, A.I.

21(4)	PHASE I BOOK EXPLOITATION	SOV/2583
	International Conference on the Peaceful Uses of Atomic Energy, 2nd, Geneva, 1958.	
	Dobryi sovetskii vneseniy: yadernaya reaktor i yadernaya energiya. (Reports of Soviet Scientists: Nuclear Reactors and Atomic Energy). Moscow: Atomizdat, 1959. 707 p. (Series: It's True, vol. 2) Krata also inserted. 8,000 copies printed.	
	General Eds.: M.A. Dollezhal, Corresponding Member, USSR Academy of Sciences, A.K. Krasin, Doctor of Physical and Mathematical Sciences, A.I. Lopyunsky, Member, Ukrainian SSR Academy of Sciences, V.I. Kovlov, Corresponding Member, USSR Academy of Sciences, and V.A. Purov, Doctor of Physical and Mathematical Sciences, M.I. A.P. Alyab'yev, Tech. Ed.: Ye. I. Mizer.	
	PURPOSE: This book is intended for scientists and engineers engaged in reactor design, as well as for professors and students of higher technical schools where reactor design is taught.	
	COVERAGE: This is the second volume of a six-volume collection on the peaceful use of atomic energy. The six volumes contain the reports presented by Soviet scientists at the Second International Conference on Peaceful Uses of Atomic Energy, held from September 1 to 13, 1958 in Geneva. Volume 2 consists of three parts. The first is devoted to atomic power plants under construction in the USSR. The second part contains reports on the work to improve the existing plants, which is predominantly theoretical, to problems of the third, which is predominantly theoretical, to problems of nuclear reactor physics and construction engineering. Yu. I. Koryakin is the science editor of this volume. See SOV/2081 for titles of all volumes of the set. References appear at the end of the articles.	
	Dollezhal, M.A., A.K. Krasin, M.A. Nikolayev, A.M. Orlovskiy, and V.A. Purov. Experiences of Operating the First Atomic Power Plant in the USSR and the Plant's Work Under Boiling Conditions (Report No. 2183)	15
	Dollezhal, M.A., A.K. Krasin, P.I. Alekshchenko, A.M. Orlovskiy, V.V. Morozov, M.Ye. Minashin, V.A. Yemel'yanov, M.M. Rykashov, V.M. Shkarpov, V.I. Mityayev, and A.M. Gordin. A Graphite-uranium Reactor With High Pressure Steam Superheat. (Report No. 2139)	36
	Aleksandrov, A.P., I.I. Artyukov, A.I. Bessonov, A.I. Brundans, G.M. Glushko, B.I. Gurev, V.I. Jiznev, and V.I. Mikhlin. The Atomic Reactor "Leningrad" (Report No. 2140)	60
	Glushko, Yu. V. and B.G. Kulogikh. Radiation Safety System of the Atomic Icebreaker (Report No. 2518)	87
	Skvortsova, S.A. Water-water Power Reactors (VVER) in the USSR (Report No. 2184)	95
	Ambarzumyan, M.S., A.M. Glushko, V.V. Gontchikov, A.I. Kovalev, and S.A. Skvortsov. Heat-producing Elements for Water-water Reactors of Atomic Power Plants (Report No. 2156)	119
	Rykhlin, G.M. and V.I. Subbotin. Cooling Water-water Reactors (Report No. 2114)	134
	Yermakov, V.S. and I.V. Yermakov. A Study of Unsteady Heat Transfer in Heat-producing Elements of Nuclear Reactors (Report No. 2470)	153
	Ivanovskiy, M.M., V.I. Subbotin, and P.A. Ushakov. High-speed Method of Measuring the Heat Transfer Coefficient in the Pipe (Report No. 2475)	166
	Buteladze, S.S., V.I. Subbotin, V.M. Borisovskiy, and P. L. Kikilov. Heat Exchange During the Flow of Liquid Metal in the Pipes (Report No. 2210)	176
	Kashebovskiy, G.R. Economics of Nuclear Fuel in Fast Power Reactors (Report No. 2028)	188
	Malkin, V.M., P.A. Kravchitskiy, M.S. Sidorov, and O.Ye. Shvedov. Thermal Neutron Density Distribution Along the Radius of Assemblies of Rod-shaped Heat Producing Elements (Report No. 2034)	199

BRANDAUS, A.I., laureat Leninskoy premii; YUDOVIN, B.S., kand.tekhn.nauk

Power plant on the atomic icebreaker "Lenin." Sudostroenie 27
no.8:21-29 Ag '61. (MIRA 14:9)
(Lenin (Atomic ship)) (Marine gas turbines)

BRANDE, Z. I.

Nesushchie konstruktsii glavnykh zdaniy martenovskikh tsekhov [Supporting structures in the main buildings of an open-hearth plant]. Moskva, Izd-vo po stroit. i arkhitekt., 1953. 144 p.

SO: Monthly List of Russian Accessions, Vol. 6 No. 8 November 1953

BAUER, J.; BRANDEBUR, O.

Our experiences with the treatment of spinal fractures. Acta
chir. orthop traum. Cech. 32 no.1:79-84 F'65.

1. Chirurgická klinika Lekárskej fakulty University P.J.
Safarika v Kosiciach (prednosta: prof. dr. J. Knazovický) a
Traumatologické oddelenie Fakultnej nemocnice v Kosiciach
(veduci: MUDr. J. Bauer).

ACC NR: AN6029194

Monograph

CZ/

Brandejs, Emil (Colonel)

Artillery fire preparation (Delostrelecka strelecka priprava) Prague, Nase Vojsko, 1964. 387 p. diagr., tables. 3000 copies printed. Series note: Velka vojenska knihovna, no. 115

TOPIC TAGS: ordnance, artillery weapon, artillery ammunition

PURPOSE AND COVERAGE: The book is intended for military instructors, artillery commanders, reserve officers, and trainees at military schools. The importance of artillery in a future war as a supplement of rocket warfare is emphasized in the introduction. The book deals with the fundamentals of firing artillery pieces, mine throwers and rocket launchers, zeroing by various methods, long distance and direct firing, firing at night, in mountain terrain and with special projectiles, firing with the aid of aircraft, sonar and radar, and instruments for firing control.

TABLE OF CONTENTS:

Section I. Rules of Firing

- A. Fundamental Concepts of artillery firing preparation
- B. Preparation of the initial firing elements

Card 1/2

ACC NR: AM6029194

- C. Zeroing in by framing
- D. Firing without topographical data
- E. Effective firing on observed targets
- F. Direct firing
- G. Zeroing in by shifting of the mean impact
- H. Special methods of zeroing in by framing
- I. Special methods of firing

Section II. Control of the firing of a battery

- A. Instruments for controlling firing
- B. Firing by means of technical reconnaissance units
- C. Fire control of a battery
- D. Fire control of the unit
- E. Training in artillery firing preparation

SUB CODE: 19/ SUBM DATE: none.

Cord 2/2

1ST AND 2ND ORDERS																										3RD AND 4TH ORDERS																									
COMMON ELEMENTS																										COMMON VARIANTS																									
CA																										10																									
PROCESSES AND PROPERTIES INDEX A new preparation and reduction of 3-(2-furyl)propylamine. F. Šorm and J. Brandeja. <i>Collection Czechoslov. Chem. Commun.</i> 12, 444-54(1947).—To 200 g. β-2-furyl-α-cyanoacrylic acid suspended in 2000 cc. water was added in 3 portions 2800 g. of 2.5% Na-Hg, the temp. being kept at 25° and CO₂ passed in during the reaction. At the end of the reduction (5-6 hrs.) the soln. was made slightly acid to tropaeolin, the oily substance extd. with Et₂O, the ext. washed with water, dried over Na₂SO₄, the solvent evapd., and the β-2-furyl-α-cyanopropionic acid (I) dried in a vacuum desiccator over P₂O₅; after purification, I b_p 103-4°. I (50 g.) in 1000 cc. abs. BuOH, reduced by direct addn. of 80 g. Na and neutralised, gave 3-(2-furyl)propylamine, b_p 90.5°, 15 g. of which with 1 g. Pt catalyst and H under 80 mm. pressure 9 hrs. at 20° yielded 2.5 g. 2-propylpyrrolidine (II) and 6.9 g. 3-(tetrahydro-2-furyl)propylamine. Cyclization of II to pyrrolizidine (1-azabicyclo[3.3.0]octane) was readily accomplished; picrate m. 265° (decomp.). W. D. Leach																																																			
A18-31A METALLURGICAL LITERATURE CLASSIFICATION																																																			
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BRANDEJS, Jan, inz.; STEHEL, P.

A complex method of upward driving the auxiliary blind shafts.
Uhli 4 no.7:235-238 J1 '62.

1. Ostravsko-Karvinsky revir.

POLEDNIK, Antonin; BRANDEJS, Jan, inz.; KODYM, Oldrich

Technical development of punched card machines viewed by their users. Podnik organizace 16 no.11:519-521 N '62.

1. Sdruzeni Ostravsko-karvinskych dolu, Ostrava.

POLAN, Jan, inz.; BRANDEJS, Jan, inz.

Computing and recording geological reserves by calculating machines.
Uhli 5 no.4:115-118 Ap '63.

1. Sdruzeni Ostravsko-Karvinskych dolu, Ostrava.

CZ/4-60-3-9/44

AUTHOR: Brandejs, Jiří, Engineer

TITLE: The Development of Production of Chemical Fibers.

PERIODICAL: Nová Technika, 1960, No. 3, pp. 117 - 119

ABSTRACT: After a brief historical survey the author states that the required quantity of natural, respectively chemical fibers was estimated at 15.5 kg per head and year. A detailed description of the use of chemical fibers and their advantages follows. The share of fibers obtained chemically in the total fiber output was 10% in 1944, 20.5% in 1950, and should increase to 27% in 1960 and to about 30% by 1965. The per capita share of chemical fibers is 3.73 kg in the CSR, 8.1 kg in the GDR, and 4.51 in the USA. Textile experts computed that a ratio of 1:1 between natural and chemical fibers could be achieved by increased production; the ratio between viscose fibers and synthetic fibers should amount to 60 to 40%. At present only 2.9% fall to the share of synthetic fibers. An output of about 100,000 tons of chemical fibers was estimated for 1965, corresponding to a 1.84-fold increase compared to the production in 1958. The production of viscose fibers should increase 1.47 times, and of synthetic fibers 14.3 times. The investment costs amount to about one billion Kčs. The production of chemical fibers per head

Card 1/2

The Development of Production of Chemical Fibers.

CZ/4-60-3-9/44

will increase from 4.01 kg in 1948 to 6.98 kg by 1965. For 1 additional ton of viscose silk it is necessary to produce 1.05 tons more cellulose, 1.3 times more sulphuric acid, 0.85 tons more NaOH, and 0.35 tons more carbon sulphide. Caprolactam obtained from phenol is used in the production of silon fibers; acrylonitrile fibers are produced from acetylene, hydrogen cyanide and dimethyl formamide. New types of chemical fibers should be developed in cooperation with the Communist states.

ASSOCIATION: Ministerstvo chemického průmyslu (Ministry for the Chemical Industry).

Card 2/2

Z/009/60/000/03/024/028
E073/E235

AUTHOR: Brandejs, J

TITLE: Development of the Manufacture of Chemical Fibres in
Czechoslovakia

PERIODICAL: Chemický průmysl, 1960, Nr 3, pp 153-154

ABSTRACT: Very general information is given on Czech efforts to increase the output of chemical fibres. At present predominantly viscose fibres are produced; synthetic fibres account for about only 3% of the production. The production of chemical fibres is to be stepped up to 105 000 tons in 1965, i.e. by a total of 69%; this means an increase in output of synthetic fibres by about 500%. ✓

ASSOCIATION: Ministerstvo chemického průmyslu (Ministry of
the Chemical Industry)

Card 1/1

BRANDEJS, Josef; POSKOURNY, Karel

Trials of coal mining in the Hronov area. Geol průzkum
6 no. 7:222 J1 '64.

BRANDEJS, M.

"Fighting Deficiencies in the Machine Industry." p. 321, Praha, Vol. 4, no. 5, May 1954.

SO: East European Accessions List, Vol. 3, No. 9, September 1954, Lib. of Congress

BRANDEJS, M.

"For decisive improvement of technique and technology in the machinery industry."
p. 641.

STROJIRENSTVI. (MINISTERSTVO TEZKEHO STROJIRENSTVI, MINISTERSTVO PRESNEHO
STROJIRENSTVI A MINISTERSTVO AUTOMOBILOVEHO PRUMYSLU A ZEMEDELSKYCH STROJU.)
Praha, Czechoslovakia, Vol. 5, no. 9, Sept. 1955.

Monthly List of East European Accessions (EEAI), LC, Vol. 8, No. 9, September 1959.
Uncl.

BRANDEJS, M.

Through better cooperation of technicians and designers toward better utilization of materials. p. 401.

(Strojirenstvi. Vol. 7, no. 6, June 1957. Praha, Czechoslovakia)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 10, October 1957. Uncl.

BRANDEJS, S.

AMS

I.

Brandejis, Stanislav, Theoren virnatosti. (Theory of tornado formation)

Meteorologické Zpravy, 4(1-2): 7-8, 1950. 4 figs., 7 equations. NH-BH
The exact mathematics formulas connected with tornado formation are given,
among others, by J. Holmboe in his "Dynamic Meteorology". (Chap. XVI)
This article gives a summary of Byers' deductions and a working elements
are geographic latitude, convergence and divergence, the effect of which
elements on cyclonic and anticyclonic tornadoes is determined through
various mathematical formulas, including the ~~Rossby~~ Rossby formula.
Subject Headings: 1. Tornado dynamics 2. Tornado formation. *G.T.

BRANDEIS, S.

4.10-267

551.594.7:537.32

Brandeis, Stanislav, Tabulky pro vypocet indexu lomu vzduchu v oboru ultrakratkych radiovin. /Table for calculating the air refractive index in the ultrashort radio wave range./ Meteorologicke Zpravy, 4(5-6):107-108, 1950. table, 3 refs., 8 eqs. In Czech. MH-BH--Equations developed by H. G. Brokker, A. Friend and A. Perlat are explained and a table for calculating the air refraction (dielectric constant) from temperature, pressure and humidity presented. For a more detailed study of the subject the author refer to his article on abnormal propagation of ultrashort radio waves published in Meteorologicke Zpravy, 1947, p. 105. Subject Headings: 1. Dielectric constants 2. Computation tables 3. Short wave radio propagation.--G.T.

Meteorological Abst.
Vol. 4 No. 10
October 1953
Part 1
Miscellaneous
Applications

EH

5/26/54

8.3-207

Brandeis, Stanislav. Analýza ageostrofické složky větru. [Analysis of the ageostrophic wind component.] Meteorologický ústav Praha. 5. 12. 3. 1952. 88 s.

551.55:551.542.1

Subject Headings: 1. Ageostrophic winds 2. Geostrophic approximation 3. Cyclostrophic winds 4. Allobaric winds —G.T.

Brandejs, Stanislav

81-115

551.501.4:551.55.551.524

Brandejs, Stanislav, Výpočet zonální složky geostrofického větru z vertikálních řezů
 polem 1° a 19°. [Calculating the zonal component of geostrophic wind from vertical sections
 with the field 1° and 19°. Meteorologický Zpravodaj, Prague, 1940, 41, 195. French summary p. 40. DLC - In connection with calculating zonal and meridional
 components of the geostrophic wind from vertical sections with the field 1° and 19° vertical
 and 19° vertical sections, the author transfers Brankov's formula for geostrophic wind calculation
 to the form of the formula for calculating the zonal component of the geostrophic wind.

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551.509.312:551.55:518.3

8.1-161

Brandeis, Stanislay. Diagram pro výpočet advekčních tlakových zmen. [Nomogram for computing advective pressure changes.] *Metorologické Zprávy*, Prague, 5(81):75-77, 1952, 5 figs., 18 eqs. DLC—The mechanism of pressure changes at a given level is analyzed mathematically as a function of advection below that level. From the equation developed a nomogram is constructed for use in computing pressure tendency at a given level from wind velocity (km-hour) up to 3 km. Subject Heading: 1. Advective tendency calculation. 2. Barometric tendency calculation. 3. Nomograms. —G.I.

✓ 7.8-90 551.5(0.312:551.513.1
 [Brandejs, Stanislav, *Dynamické předpovědní metody v synoptické meteorologii*; 1. Sutcliffeova metoda vývoje. [Dynamic forecasting methods in synoptic meteorology. Pt. 1. Sutcliffe's development method.] *Meteorologické Zprávy*, Prague 54: 94-104, 1952. 1 tables. 11 refs. 26 eps. English summary, p. 94. DLC. Also see: Dynamic forecasting methods. [See also: Brandejs, Stanislav, *Metodický přehled synoptické meteorologie*, Prague, 1953. 11 refs. 10 eps. Photostat No. 551.5(0.312:551.513.1) 1952.]
 Contains basic theory of Sutcliffe's method. 1. Equation of motion of air parcels. 2. Effect of vertical stability on synoptic development. The second article contains methods of numerical forecasting of barotropic surfaces following Sutcliffe, HINKELMANN and SAWYER as well as previous work of the author. Application to high speed computing machine solution of equations, grids and networks used, etc. are mentioned. *Subject Headings*: 1. Numerical forecasting techniques 2. Barotropic tendency equation -- *Author's abstract and M. R.*

4E [signature]

BRANDEJS, S.

Equations of atmospheric dynamics in the P system; in honor of the 75th birthday of
Professor Stanislav Hanzlik. p. 44
METEOROLOGICKE ZPRAVY. Vol. 6, No. 2, May 1953

SO: Monthly East European Accession (EEAL), LC, Vol. 4, No. 9, Sept. 1955 Uncl.

BRANDEJS, S.

Dynamic forecasting methods. IV. Evaluating methods. P. 69.
METEOROLOGICKE ZPRAVY. Vol. 6, No. 3, June 1953

SO: Monthly East European Accession, (EEAL), LC, Vol. 4, No. 9, Sept. 1955 Uncl.

BRANDEJS, S.

Sutcliffe's development equation and the ageostrophic component of
wind. p. 98. METEOROLOGICKE ZPRAVY. VOL.6_,No. 4, Sept. 1953.

SOURCE: East European Accessions List. (EEAL), LC, Vol. 5, No. 3. March 1956

8.3-203

Brandeis, Stanislay (*Inst. of Met. & Climatology, Charles Univ.*). Equation of the tendency of the absolute topography of isobaric planes. Translation from the original Czech text. *Geografická Zpráva, Prague*, 6(5):121-122, Oct. 1953. Translation by [illegible] and [illegible].
 DWB: [illegible] absolute and relative topography. *Journal of the Royal Meteorological Society*, 1951, and SUTCLIFFE, 1950, in *Journal of the Royal Meteorological Society*. Subject headings: 1. Baric topography tendency; 2. Relative topography.

BRANDEJS, S.

Surface pressure tendency and changes of vorticity. p. 144.
METEOROLOGICKE ZPRAVY. Vol. 6, no. 6, Dec. 1953.

SOURCE: East European Accessions List (EEAL), LC, Vol. 5, No. 3, March 1953.

Brandeis, S.

CZECH

551.543 : 551.509
1945. Dynamic surface-pressure changes and their
significance for weather forecasting. S. BRANDIS,
J. KORIČEK, V. VÍTEK and O. ZIKMUND. *Czech. J.*
Phys., 4, No. 3, 350-70 (Sept., 1954).

An equation is derived for dynamic surface-pressure
changes. The development term of this equation is
applied to certain synoptic situations and its diagnostic
and prognostic value is studied. A.

BRANDEJS, S., AND OTHERS.

Forecasting changes in a synoptic situation. p.37. METEOROLOGICKE ZPRAVY.
(Statni meteorologicky ustav) Prague. Vol. 7, no. 2, April 1954

SOURCE: East European Accessions List. (EEAL) Library of Congress
Vol. 5, no. 8, August 1956

BRANDEJS, S.: VITEK, V.

Prognostic equations of baroclinic model with constant direction of wind shear. In Eng.

p. 141 (Studia Geophysica Et Geodaetica) Vol 1 no 1 1957. Praha, Czechoslovakia.

SO: Monthly Index of East European Accessions (EEAI) LC, Vol. 7, no 1 Jan 1958

BRANDEJS, S.

Application of Fjortoft's method in drawing weather maps. p.23.
(Meteorologicke Zpravy, Vol. 10, No. 1, Feb. 1957, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions (EEAL) IC. Vol. 6, No. 9, Sept. 1957. Uncl.

BRANDEJS, S.; ZIKMUND, O.

An equation for the forecasting of pressure directly above the earth's surface.

p. 60 (Meteorologické Zprávy) Vol. 10, no. 3, June, 1957. Praha, Czech.

SO: Monthly Index of East European Accessions (EEAI) LC, Vol. 7, no. 1, Jan. 1958

BRANDESS, S.

12 ✓ 2733. Brandeis, S., and Zikmunds, O., Numerical and graphical forecasting of the surface pressure field (in German), Z. Meteor. 11, 10/11, 305-311, Oct./Nov. 1957.

CG 1/1
Authors, from Charles University in Prague, describe a method of numerical forecasting a 1000-mb chart and a thickness which is essentially that of Sawyer and Bushby. No examples of actual forecasts are given.

M. G. Wurtele, USA
CR

4

BRANDEJS, STANISLAV

✓ 10.3-3 351.509.313(02) 4
 [Brandejš, Stanislav (Mgt. Dept., Prague Univ.), Úvod do počatní předpovědi počasí.
 [Introduction to numerical weather forecasting.] *Geofyzikální Sborník*, Prague, No. 61, 1957.
 156 p. 23 figs., 23 tables, refs., numerous eqs. German and Russian summaries p. 153-156.
 DLC—This highly technical text is designed to thoroughly familiarize students or synoptic
 meteorologists with the theory and techniques of numerical forecasting. The study is divided
 into two parts, the first dealing with the quasi-static equations of atmospheric dynamics with
 pressure as an independent variable (hydrostatic equation; thermodynamic changes in time
 and space; geostrophic wind, divergence and vorticity; ageostrophic wind component; gradient
 wind and its divergence; continuity equation; vorticity equation; pressure tendency equations,
 etc.). The second part takes up the prognostic equations of various atmospheric models
 (barotropic, advective and baroclinic), their numerical and graphical integration, and their
 verification. The work incorporates the latest progress reported in international literature
 (with extensive references to the sources used), including full mathematical treatments of the
 methods described. As one of the first textbooks devoted entirely to numerical forecasting, this
 book may be considered the most direct way available to a clear understanding and mastering of
 this field, once the language difficulty is overcome. Subject Heading: 1: Numerical forecasting
 textbooks.—G.T.

GW

August 3, 1959

B. RANDEJS, S.

SCIENCE

Periodicals: METEOROLOGICKE ZPRAVY. Vol. 11, no. 4/5, Oct. 1958

BRANDEJS, S. Forecast equations of the models of multilayer atmosphere
p. 97

Monthly List of East European Accessions (EEAI) IC, Vol. 8, No. 5,
May 1959, Unclass.

BRANDEJS, S

SURNAME (in caps); Given Names

Country: Czechoslovakia

Academic Degrees: [not given]

Affiliation: Meteorological Institute of Charles University (Meteorologický ústav Karlovy university), Prague

Source: Prague, Meteorologické Zprávy, Vol XIV, No 1-2, 30 April 1961, pp 14-21

Data: "The Effect of Precipitation on the Propagation of Ultra-Short Waves and Measurement of the Quantities of Precipitation by Radar."

BRANDEJS, S.

Automatic line for weather forecasts. Meteor zpravy 15 no.3/4:
60-65 Ag '62.

1. Meteorologický ústav, Matematicko-fyzikální fakulta,
Praha.

BRANDIS, S.

Doctor Aldrich Satrapa; obituary. Meteor zpravy 17 no.4:12-127
Ag'64

L 31742-66 FCC GW

SOURCE CODE: CZ/0085/65/000/004/0094/0096

ACC NR: AP6021159

37
B

AUTHOR: Brandejs, Stanislav

ORG: Meteorological Institute, Mathematics-Physics Faculty, Charles University
(Met. ust. mat.-fys. fak. KU)

TITLE: Calculation of the vertical velocities of air with the omega equation

SOURCE: Meteorologické zpravy, no. 4, 1965, 94-96

TOPIC TAGS: atmospheric model, air flow, calculation, atmospheric circulation

ABSTRACT: The article presents the derivation of a general form of the so-called ω -equation and a simplification of the ω -equation for a barotropic model of the atmosphere. The individual terms of the ω -equation are qualitatively discussed. Orig. art. has: 16 formulas. [JPRS]

SUB CODE: 04 / SUBM DATE: none / ORIG REF: 001 / OTH REF: 005

15

Card 1/1

UDC: 551.509.313: 551.558.1

L 30902-66 EWT(1)/FCC GW

ACC NR: AP6022942

SOURCE CODE: CZ/0085/65/000/005/0133/0137

AUTHOR: Brandejs, Stanislav

ORG: MU, Faculty of Mathematics and Physics, K.U (MU mat.-fyz. fak. K. U.)

40
B

TITLE: Equation for calculation of the heat function

SOURCE: Meteorologicke zpravy, no. 5, 1965, 133-137

TOPIC TAGS: adiabatic process, atmospheric geopotential, geostrophic wind, function analysis, adiabatic flow

ABSTRACT: The article presents a derivation of equations for calculation of nonadiabatic and adiabatic tendencies of the geopotential and also of equations for nonadiabatic and adiabatic vertical velocities. Starting with those equations, the author arrives at a simplified equation for calculation of the adiabatic vertical velocities on the one hand and the tendency and omega-equation for the equivalently barotropic atmosphere on the other. The article concludes with a calculation of the heat function Q for stationary and nonstationary geostrophic flows. [JPRS]

SUB CODE: 04, 20 / SUBM DATE: none / ORIG REF: 002 / OTH REF: 005

Cord 1/1 CC

UDC: 551.513.1: 551.558

0915

018

I 00855-67
ACC NR: AP6031129 (N) SOURCE CODE: CZ/0085/66/000/03-/0067/0072
AUTHOR: Brandejs, Stanislav 30
ORG: Meteorological Institute, KU (Met. ustav. KU) 3
TITLE: The role of heat exchange between the ocean and the atmosphere in the
cyclogenetic mechanism of the atmosphere
SOURCE: Meteorologicke zpravy, no. 3-4, 1966, 67-72
TOPIC TAGS: atmospheric pressure, atmospheric temperature, atmospheric
turbulence, cyclone, cyclone forecast
ABSTRACT: The present study shows that the heat exchange between the ocean and
the atmosphere has an immediate and decisive influence on the formation and de-
velopment of oceanic cyclones. It is therefore necessary to consider the influence
of the heat exchange process in forecasting vertical speeds and spatial distribution
of atmospheric pressure. Orig. art. has: 1 figure, 2 tables, and 4 formulas.
[Based on translated author's abstract] [KS]
SUB CODE: 04/ SUBM DATE: none/ ORIG REF: 001/ OTH REF: 020/
Cord 1/1 LS UDC: 551.515.1(26)

BRANDEJSKY, Frantisek

Flakes in steel castings. Slevarenstvi 10 no.7:250-252 J1
'62.

BEDNAR, Alois (Kunstat cp.104); BRANDEJSKY, Frantisek, inz.

Special equipment for pole setting. Energetika Cz 12
no.10:559 0 '62.

1. Jihomoravske elektrarny, Brno (for Bednar).
2. Energieprojekt, Brno (for Brandejsky).

S/276/63/000/001/028/028
A006/A101

AUTHOR: Brandejský, František

TITLE: Flakes in steel castings

PERIODICAL: Referativnyy zhurnal, Tekhnologiya mashinostroyeniya, no. 1, 1963,
39 - 40, abstract 1Q270 ("Slévárenství", 1962, 10, no. 7, 250 -
252; Czech, summaries in Russian, German, English and French)

TEXT: The formation of flakes is a property of special steels alloyed with Ni, Cr, Mo and other elements. The basic portion of hydrogen contained in steel castings, is molecular hydrogen. At relatively low cooling, the hydrogen in the thin sections may diffuse from the internal layers to the surface of the castings. In compact parts, where the diffusion process does not take place, flakes appear frequently. The cause of flake formation is hydrogen contained in the steel. The causes of hydrogen saturation of liquid steel are analyzed. Flakes arise, as a rule, in the thermal points of the castings, in particular underneath large-size risers, since even slight excess pressure entails an increased solubility of hydrogen and its higher concentration in the thermal point. There are 5 figures and 10 references.
[Abstracter's note: Complete translation]
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BRANDEL, Włodzimierz

355

1. "Katalytische Eigenschaften von Eisen und Binäres System von Eisen, Part V. Die Polymerisation von Acrylnitril durch Komplexe von Eisen mit Acrylnitril. Komplexe von Eisen mit Acrylnitril, Paul ROYER und Jean-Marie LEBLANC, Institut für Organische Chemie der Universität, Strasbourg (France), Journal de Chimie Physique, 1962, 59, 1-15.
2. "Contributions to the Knowledge of Lithium Aluminates, Part II. On Lithium Aluminate. HANS-ALBERT LEBLANC and HANS-ALBERT LEBLANC, Institut für Organische Chemie der Universität, Strasbourg (France), Journal de Chimie Physique, 1962, 59, 1-15.
3. "Reactions of Lithium Aluminates with Organic Compounds. A. LEBLANC, Institut für Organische Chemie der Universität, Strasbourg (France), Journal de Chimie Physique, 1962, 59, 1-15.
4. "Transformation of Cyclohexane on Solid Nickel Catalysts. D. HENRI, Institut für Organische Chemie der Universität, Strasbourg (France), Journal de Chimie Physique, 1962, 59, 1-15.
5. "On the Compound (C₆H₅)₂NiCl₂ (C₆H₅)₂NiCl₂ and (C₆H₅)₂NiCl₂, Institut für Organische Chemie der Universität, Strasbourg (France), Journal de Chimie Physique, 1962, 59, 1-15.
6. "On Fluorine-Containing Compounds, Part V. On Condensed Tetrafluorides, Institut für Organische Chemie der Universität, Strasbourg (France), Journal de Chimie Physique, 1962, 59, 1-15.
7. "Properties of Tantalum (II) Compounds from Aqueous Solutions, Institut für Organische Chemie der Universität, Strasbourg (France), Journal de Chimie Physique, 1962, 59, 1-15.
8. "Studies on Solvent-Organic Compounds, Part III. Constitution of Alkylhydrogen- and Alkylaluminum Compounds in Alcohol and in Benzene, Institut für Organische Chemie der Universität, Strasbourg (France), Journal de Chimie Physique, 1962, 59, 1-15.

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BRANDELIS, A. M.

Novaia tekhnologiya proizvodstva spiral'nykh sverl /New technology in the production of twist drills/. Moskva, Mashgiz, 1953. 104 p.

SO: Monthly List of Russian Accessions, Vol. 7, No. 3, June 1954.

25(5)

PHASE I BOOK EXPLOITATION SOV/1324

Brandelis, Aleksandr Moiseyevich

Usovershenstvovaniye tekhnologii potochnogo proizvodstva na instrumental'nykh zavodakh (Improving the Technology of Line Production in Tool Manufacturing Plants) Moscow, Mashgiz, 1958. 198 p. 4,500 copies printed.

Reviewer: Stankevich, V.G., Engineer; Editor: Smirnov, B.V., Engineer; Ed. of Publishing House: Balandin, A.F.; Tech. Ed.: Model', B.I.; Managing Ed. for Literature on Metal Working and Tool Making (Mashgiz): Beyzel'man, R.D.

PURPOSE: This book is intended for engineering and technical personnel, and qualified workers in machinery-manufacturing establishments. It may also serve as a manual for tekhnikum students studying tool making.

COVERAGE: This book discusses various improvements in production technology which have been introduced in organizing line production

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Improving the Technology of Line Production (Cont.) SOV/1324

in plants of the tool manufacturing industry which specialize in the production of the most widely-used cutting tools and measuring instruments. The efficiency of these improvement measures is reviewed. There are 4 Soviet references. No personalities are mentioned.

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BRANDELIS, Aleksandr Moiseyevich; USTINOV, N.V., nauchnyy red.;
MIKHAYLOV, A.I., nauchnyy red.; GORYUNOVA, L.K., red.; TOKER,
A.M., tekhn. red.

[Operator of automatic lathes] Avtomatchik na tokarnykh avto-
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1961. 230 p. (MIRA 15:4)
(Lathes) (Automatic control)